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Seq Listing.txt
SEQUENCE LISTING

<110> Sloan-Kettering Institute for Cancer Research
Fothman, James E.
Mayhew, Mark
Hoe, Mee H.
Houghton, Alan
Hartl, Ulrich
Querfelli, Ouathek
Moroi, Yoichi

<120> CONJUGATE HEAT SHOCK PROTEIN-BINDING PEPTIDES

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<140> 10/053,498

<141> 2002-01-17

<150> 09/961,707

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223 peptide in m13 coliphage

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223 peptide in m13 coliphage

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Lys Glu Ser Leu Leu Thr Lys Gly

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212 PPT

213 Artificial Sequence

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223 peptide in m13 coliphage

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Ser His Ala Ala Ser Gly Thr Gly

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223 peptide in m13 coliphage

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Gly Leu Ala Thr Val Lys Ser Gly

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Seq Listing.txt

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Seq Listing.txt

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#212 DNA

#213 Artificial Sequence

#220

#223 random DNA in m13 coliphage

#400 137

ataatgacta atatgattac ttgt

24

#210 138

#211 24

#212 DNA

#213 Artificial Sequence

#220

#223 random DNA in m13 coliphage

#400 138

gtttctgggc tgtctcagga ttgt

24

#210 139

#211 24

#212 DNA

#213 Artificial Sequence

#220

#223 random DNA in m13 coliphage

#400 139

acgcagatta agacgattta ttgt

24

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#211 24

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#213 Artificial Sequence

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<400> 142

Gly Gly Gly Ser

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<400> 145

Gln Lys Arg Ala Ala

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5

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Arg Arg Arg Ala Ala

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Lys Phe Glu Arg Gln

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Seq Listing.txt

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Asp Arg Thr His Ala Thr Ser
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Met Ser Thr Thr Phe Tyr Ser
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Met Ala Pro Ser Pro Pro His

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Val Ser Phe Pro Asp Leu Leu

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Seq Listing.txt

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0212 PFT

0213 Artificial Sequence

0220

0221 peptide in m13 coliphage

0400 159

His Ser Tyr Asn Arg Leu Pro

1

5

0210 160

0211 7

0212 PFT

0213 Artificial Sequence

0220

0221 peptide in m13 coliphage

0400 160

His Leu Thr His Ser Gln Arg

1

5

0210 161

0211 7

0212 PFT

0213 Artificial Sequence

0220

0221 peptide in m13 coliphage

0400 161

Gln Ala Ala Gln Ser Arg Ser

1

5

0210 162

0211 7

0212 PFT

0213 Artificial Sequence

0220

0221 peptide in m13 coliphage

0400 162

Seq Listing.txt

Phe Ala Thr His His Ile Gly
1 5

210 163

211 7

212 PPT

213 Artificial Sequence

220

221 peptide in m13 coliphage

400 163

Ser Met Pro Glu Pro Leu Ile
1 5

210 164

211 7

212 PPT

213 Artificial Sequence

220

221 peptide in m13 coliphage

400 164

Ile Pro Arg Tyr His Leu Ile
1 5

210 165

211 7

212 PPT

213 Artificial Sequence

220

221 peptide in m13 coliphage

400 165

Ser Ala Pro His Met Thr Ser
1 5

210 166

211 7

212 PPT

213 Artificial Sequence

Seq Listing.txt

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Lys Ala Pro Val Trp Ala Ser

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Leu Pro His Prp Leu Leu Ile

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Ala Ser Ala Gly Tyr Gln Ile

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<210> 169

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Val Thr Pro Lys Thr Gly Ser

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Seq Listing.txt

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4212 PRT

4213 Artificial Sequence

4220

4223 peptide in m13 coliphage

4400 170

Glu His Pro Met Pro Val Leu

1

5

4210 171

4211 7

4212 PRT

4213 Artificial Sequence

4220

4223 peptide in m13 coliphage

4400 171

Val Ser Ser Phe Val Thr Ser

1

5

4210 172

4211 7

4212 PRT

4213 Artificial Sequence

4220

4223 peptide in m13 coliphage

4400 172

Ser Thr His Phe Thr Trp Pro

1

5

4210 173

4211 7

4212 PRT

4213 Artificial Sequence

4220

4223 peptide in m13 coliphage

4400 173

Seq Listing.txt

Gly Gln Trp Trp Ser Pro Asp
1 5

210 174
211 7
212 PRT
213 Artificial Sequence

220
223 peptide in m13 coliphage

400 174

Gly Pro Pro His Gln Asp Ser
1 5

210 175
211 7
212 PRT
213 Artificial Sequence

220
223 peptide in m13 coliphage

400 175

Asn Thr Leu Pro Ser Thr Ile
1 5

210 176
211 7
212 PRT
213 Artificial Sequence

220
223 peptide in m13 coliphage

400 176

His Gln Pro Ser Arg Trp Val
1 5

210 177
211 7
212 PRT
213 Artificial Sequence

220

Seq Listing.txt

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Seq Listing.txt

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<212> 183

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Phe His Trp Trp Asp Trp Trp
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Glu Pro Phe Phe Arg Met Gln

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-211- 7

-212- PRT

-213- Artificial Sequence

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-223- peptide in m13 coliphage

-400- 185

Thr Trp Trp Leu Asn Tyr Arg

1

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-210- 186

-211- 7

-212- PRT

-213- Artificial Sequence

-220-

-223- peptide in m13 coliphage

-400- 186

Phe His Trp Trp Trp Gln Pro

1

5

-210- 187

-211- 7

-212- PRT

-213- Artificial Sequence

-220-

-223- peptide in m13 coliphage

-400- 187

Gln Pro Ser His Leu Arg Trp

1

5

-210- 188

-211- 7

-212- PRT

-213- Artificial Sequence

-220-

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Seq Listing.txt

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Asn Ser Ala Pro Arg Pro Val
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Gln Leu Trp Ser Ile Tyr Pro

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Seq Listing.txt

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Thr Ser Pro Leu Ser Leu Leu

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Ala Tyr Asn Tyr Val Ser Asp

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Seq Listing.txt

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Seq Listing.txt

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Thr Pro Pro Leu Arg Ile Asn

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0210> 208

0211> 7

0212> PBT

0213> Artificial Sequence

0220>

0223> peptide in m13 coliphage

0400> 208

Leu Pro Ile His Ala Pro His

1

5

0210> 209

0211> 7

0212> PBT

0213> Artificial Sequence

0220>

0223> peptide in m13 coliphage

0400> 209

Asp Leu Asn Ala Tyr Thr His

1

5

0210> 210

0211> 7

0212> PBT

0213> Artificial Sequence

0220>

0223> peptide in m13 coliphage

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Seq Listing.txt

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Tyr Pro His Pro Ser Arg Ser
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Gly Thr Ala His Phe Met Tyr
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Seq Listing.txt

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Seq Listing.txt

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Seq Listing.txt

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Glu Gly Pro Leu Arg Ser Pro

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<210> 225

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Seq Listing.txt

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Thr His Ser His Arg Pro Ser

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Ile Thr Asn Pro Leu Thr Thr

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Seq Listing.txt

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Tyr Tyr Tyr Ala Pro Pro Pro

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Asn Val Tyr His Ser Ser Leu

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<210> 233

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Asn Ser Pro His Pro Pro Thr

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His Asn Leu His Pro Asn Arg

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<210> 236

<211> 7

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Seq Listing.txt

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Tyr Thr Thr His Arg Trp Leu
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<210> 237

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<220>

<223> peptide in m13 coliphage

<400> 237

Ala Val Thr Ala Ala Ile Val
1 5

<210> 238

<211> 7

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<220>

<223> peptide in m13 coliphage

<400> 238

Thr Leu Met His Asp Arg Val
1 5

<210> 239

<211> 7

<212> PPT

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<220>

<223> peptide in m13 coliphage

<400> 239

Thr Pro Leu Lys Val Pro Tyr
1 5

<210> 240

<211> 7

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<223> peptide in m13 coliphage

<400> 240

Phe Thr Asn Gln Gln Tyr His

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<210> 241

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<223> peptide in m13 coliphage

<400> 241

Ser His Val Pro Ser Met Ala

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<210> 242

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<400> 242

His Thr Thr Val Tyr Gly Ala

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<210> 243

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<400> 243

Thr Glu Thr Pro Tyr Pro Thr

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Seq Listing.txt

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<400> 244

Leu Thr Thr Pro Phe Ser Ser

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<400> 245

Gly Val Pro Leu Thr Met Asp

1

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<210> 246

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<400> 246

Lys Leu Pro Thr Val Leu Arg

1

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<210> 247

<211> 7

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Seq Listing.txt

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Cys Arg Phe His Gly Asn Arg
1 5

210 248

211 7

212 PRT

213 Artificial Sequence

220

223 peptide in m13 coliphage

400 248

Tyr Thr Arg Asp Phe Glu Ala
1 5

210 249

211 7

212 PRT

213 Artificial Sequence

220

223 peptide in m13 coliphage

400 249

Ser Ser Ala Ala Gly Pro Arg
1 5

210 250

211 7

212 PRT

213 Artificial Sequence

220

223 peptide in m13 coliphage

400 250

Ser Leu Ile Gln Tyr Ser Arg
1 5

210 251

211 7

212 PRT

213 Artificial Sequence

Seq Listing.txt

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Ser Ser Xaa Ser Leu Tyr Ile

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<220>

<223> peptide in m13 coliphage

<400> 253

Phe Asn Thr Ser Thr Arg Thr

1

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<210> 254

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Seq Listing.txt

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Thr Val Gln His Val Ala Phe

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<223> peptide in m13 coliphage

<400> 255

Asp Tyr Ser Phe Pro Pro Leu

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Val Gly Ser Met Glu Ser Leu

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<210> 257

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Seq Listing.txt

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Phe Xaa Pro Met Ile Xaa Ser

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Ala Pro Pro Arg Val Thr Met

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<400> 260

Lys Pro Pro Leu Phe Gln Ile

1

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Tyr His Thr Ala His Asn Met

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<210> 262

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<400> 162

Ser Tyr Ile Gln Ala Thr His

1

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Ser Ser Phe Ala Thr Phe Leu

1

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<210> 264

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Seq Listing.txt

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Thr Thr Pro Pro Asn Phe Ala
1 5

210 265

211 7

212 PFT

213 Artificial Sequence

220

223 peptide in m13 coliphage

400 265

Ile Ser Leu Asp Pro Arg Met
1 5

210 266

211 7

212 PFT

213 Artificial Sequence

220

223 peptide in m13 coliphage

400 266

Ser Leu Pro Leu Phe Gly Ala
1 5

210 267

211 7

212 PFT

213 Artificial Sequence

220

223 peptide in m13 coliphage

400 267

Asn Leu Leu Lys Thr Thr Leu
1 5

210 268

211 7

212 PFT

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<400> 268

Asp Gln Asn Leu Pro Arg Arg

1

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Ser His Phe Glu Gln Leu Leu

1

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<223> peptide in m13 coliphage

<400> 271

Ala Pro Leu Asp Arg Ile Thr

1

5

Seq Listing.txt

210 272
211 7
212 PRT
213 Artificial Sequence

220
223 peptide in m13 coliphage

400 273

Phe Ala Pro Leu Ile Ala His
1 5

210 273
211 7
212 PRT
213 Artificial Sequence

220
223 peptide in m13 coliphage

400 273

Ser Trp Ile Gln Thr Phe Met
1 5

210 274
211 7
212 PRT
213 Artificial Sequence

220
223 peptide in m13 coliphage

400 274

Asn Thr Trp Pro His Met Tyr
1 5

210 275
211 7
212 PRT
213 Artificial Sequence

220
223 peptide in m13 coliphage

Seq Listing.txt

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Glu Pro Leu Pro Thr Thr Leu
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<210> 276

<211> 7

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<400> 276

His Gly Pro His Leu Phe Asn
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<210> 277

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<400> 277

Tyr Leu Asn Ser Thr Leu Ala
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<210> 278

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His Leu His Ser Pro Ser Gly
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Seq Listing.txt

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Asn Glu Val Asp Thr Ala Arg

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<210> 282

<211> 7

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<223> peptide in m13 coliphage

<400> 282

Tyr Pro Thr Pro Leu Leu Thr

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Seq Listing.txt

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His Pro Ala Ala Phe Pro Trp
1 5

<210> 284
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<400> 284

Leu Leu Pro His Ser Ser Ala
1 5

<210> 285
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<400> 285

Leu Glu Thr Tyr Thr Ala Ser
1 5

<210> 286
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<400> 286

Seq Listing.txt

Lys Tyr Val Pro Leu Pro Pro
1 5

<210> 287

<211> 7

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<400> 287

Ala Pro Leu Ala Leu His Ala
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<400> 288

Tyr Glu Ser Leu Leu Thr Lys
1 5

<210> 289

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Ser His Ala Ala Ser Gly Thr
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<210> 290

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Seq Listing.txt

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02230 peptide in m13 coliphage

04000 290

Gly Leu Ala Thr Val Lys Ser

1

5

02100 291

02110 F

02120 FRT

02130 Artificial Sequence

02200

02230 peptide in m13 coliphage

04000 291

Gly Ala Thr Ser Phe Gly Leu

1

5

02100 292

02110 F

02120 FRT

02130 Artificial Sequence

02200

02230 peptide in m13 coliphage

04000 292

Lys Pro Pro Gly Pro Val Ser

1

5

02100 293

02110 F

02120 FRT

02130 Artificial Sequence

02200

02230 peptide in m13 coliphage

04000 293

Thr Leu Tyr Val Ser Gly Asn

1

5

02100 294

Seq Listing.txt

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His Ala Pro Phe Lys Ser Gln
1 5

<210> 295
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<400> 295

Val Ala Phe Thr Arg Leu Pro
1 5

<210> 296
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<400> 296

Leu Pro Thr Arg Thr Pro Ala
1 5

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<400> 297

Seq Listing.txt

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<223> peptide in m13 coliphage

<400> 298

Arg Met Asn Thr Glu Pro Pro
1 5

<210> 299

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<223> peptide in m13 coliphage

<400> 299

Lys Met Thr Pro Leu Thr Thr
1 5

<210> 300

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Ala Asn Ala Thr Pro Leu Leu
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Thr Ile Trp Pro Pro Pro Val

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Gln Thr Lys Val Met Thr Thr

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5

<210> 303

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Asn His Ala Val Phe Ala Ser

1

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<210> 304

<211> 7

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Seq Listing.txt

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<223> peptide in m13 coliphage

<400> 305

Thr Trp Gln Pro Tyr Phe His
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<210> 306

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Ala Pro Leu Ala Leu His Ala
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<210> 307

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Thr Ala His Asp Leu Thr Val
1 5

<210> 308

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<213> Artificial Sequence

<220>

Seq Listing.txt

4223 peptide in m13 coliphage

4400 308

Asn Met Thr Asn Met Leu Thr

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4210 309

4211 7

4212 PRT

4213 Artificial Sequence

4217

4221 peptide in m13 coliphage

4400 309

Gly Ser Gly Leu Ser Gln Asp

1

5

4210 310

4211 7

4212 PRT

4213 Artificial Sequence

4220

4223 peptide in m13 coliphage

4400 310

Thr Pro Ile Lys Thr Ile Tyr

1

5

4210 311

4211 7

4212 PRT

4213 Artificial Sequence

4220

4223 peptide in m13 coliphage

4400 311

Ser His Leu Tyr Arg Ser Ser

1

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4210 312

4211 7

Seq Listing.txt

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<400> 312

His Gly Gln Ala Trp Gln Phe
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<210> 313

<211> 9

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Leu Leu Leu Gly Thr Leu Asn Ile Val
1 5

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<400> 314

Leu Leu Met Gly Thr Leu Gly Ile Val
1 5

<210> 315

<211> 9

<212> PRT

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<400> 315

Thr Leu Gln Asp Ile Val Leu His Leu

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<400> 316

Ily Leu His Cys Tyr Glu Gln Leu Val

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Pro Leu Lys Gln His Phe Gln Ile Val

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<210> 318

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<210> 319

<211> 35

<212> DNA

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<223> random DNA in m13 coliphage

Seq Listing.txt

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<210> 320

<211> 5

<212> PRT

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<223> Random peptide in coliphage M13

<400> 320

Phe His Trp Trp Trp

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<210> 321

<211> 15

<212> PRT

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<223> hybrid peptide

<400> 321

Ser Ile Ile Asn Phe Glu Lys Leu Gly Ser Gly His Trp Asp Phe Ala

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10

15

Trp Pro Trp

19